

At page 43, lines 1-7:

Furthermore, for other capture oligonucleotides, such as Zip 3, the number of shared nucleotides is much lower (shown as underlined):

Zip 12 (2-4-4-6-1-1) = 24 mer

5' - ATCG GGTA GGTA ACCT TGCG TGCG-3' (SEQ. ID. No. 11)

Zip 3 (3-6-5-2-2-3) = 24 mer

5' - CAGC ACCT GACC ATCG ATCG CAGC-3' (SEQ. ID. No. 12)

At page 55, lines 9-24:

Typically, 10 pmol of each of the oligonucleotides comp 12 and comp 14 (see Table 3) were 5' end labeled in a volume of 20 μ l containing 10 units of T4 polynucleotide kinase (New England Biolabs, Beverly, MA), 2.22 MBq (60 μ Ci) [γ -³²P] ATP, 50 mM Tris-HCl, pH 8, 10 mM MgCl₂, 1 mM EDTA, and 10 mM dithiothreitol, according to a slightly modified standard procedure described in the literature. Unincorporated radioactive nucleotides were removed by filtration over a column containing superfine DNA grade Sephadex G-25 (Pharmacia, Piscataway, NJ). The Sephadex was preswollen overnight at 4 °C in 10 mM ammonium acetate. The labeled oligonucleotide probes were dried in vacuum and dissolved in hybridization solution (0.5 M Na₂HPO₄ [pH 7.2], 1% crystalline grade BSA, 1 mM EDTA, 7% SDS). The specific activity of the labeled oligonucleotide probes comp 12 and comp 14 was 2.86×10^6 cpm/pmol and 2.43×10^6 cpm/pmol, respectively.

Table 3. Oligonucleotides used (5' to 3')

12	Aminolink- spacer 18- ATC GGG TAG GTA ACC TTG CGT GCG (SEQ. ID. No. 13)
14	Aminolink- spacer 18- GGT AGG TAA CCT ACC TCA GCT GCG (SEQ. ID. No. 14)
comp 12	CGC ACG CAA GGT TAC CTA CCC GAT (SEQ. ID. No. 15)
comp 14	CGC AGC TGA GGT AGG TTA CCT ACC (SEQ. ID. No. 16)

In the Claims:

Please cancel claims 1-88 and 120-147.